

ROUTE NO. SECTION SHEET TOTAL SHEET NO. 1 F.A.P. 782 115BR-2 83 47 15 SHEETS Hardin FED. ROAD DIST. NO. 7

Contract #78026

INDEX OF STRUCTURE SHEETS

General Plan & Elevation General Details

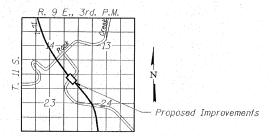
Stage Construction Details Steel Railing (Temporary)

Temporary Concrete Barrier For Stage Construction Superstructure

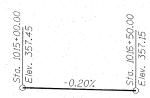
Superstructure Details

1.-10. Superstructure Details
1.-10. Approach Details
1.1. Steel Railing, Type SM with Concrete Wearing Surface
1.2. Strip Seal Expansion Joint
1.3. West Abutment

14. East Abutment 15. Bar Splicer Assembly Details



LOCATION SKETCH



PROFILE GRADE (Along & Rdwy.)

APPROVED FOR STRUCTURAL ADEQUACY ONLY

PLAN

ENGINEER OF BRIDGES AND STRUCTURES

SCOPE OF WORK

- 1. Remove existing superstructure, and approach shoulder bridge slabs.
- Repair beam bearing seats and perform other repairs at abutments as specified.
- 3. Construct a new single span PPCD beam superstructure with concrete wearing surface and approach shoulders with Precast Concrete Bridge Slabs with concrete wearing surface.



Expires 11-30-08

HAMPTON, LENZINI & RENWICK, INC.

3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 HER

ROJECT NUMBER: 12-98-0016-1 DATE: 01/18/08 ESIGNED: M.D.C. CHECKED: P.S.L. DRAWN: D.T.M.

ELGIN . SPRINGFIELD

IL. ROUTE I OVER BRANCH OF ROCK CREEK F.A.P. ROUTE 782 / SECTION 115BR-2 HARDIN COUNTY STATION 1015+72 STRUCTURE NO. 035-0003

GENERAL PLAN AND ELEVATION

f'c = 4.500 psi fy = 60,000 psi (Reinf.)

DESIGN STRESSES

PRECAST PRESTRESSED UNITS

f'c = 5,000 psi (Concrete Wearing Surface)

f'c = 3,500 psi (All Concrete except CWS) fy = 60,000 psi (Reinf.)

1 c = 5,000 psi f'ci = 4,000 psi f's = 270,000 psi (½'¢ low lax, strands) f'si = 201,960 psi (½'¢ low lax, strands) fy = 60,000 psi (Reinf.)

FIELD UNITS

f'c = 5.000 psl

PRECAST UNITS